# **FRONT COVER**

# Honeywell

→ BUS Universal Remote



**Operation Manual** 



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#### Introduction

Thank you for purchasing an A-BUS™ Universal Remote. Your remote has a dedicated A-BUS bank and six banks of buttons that can be encoded from the library of codes or codes which you can learn from the handsets belonging to the components you wish to control. Each button including bank buttons can learn macros (multiple commands). Once set up to your requirements it should make the operation of your system simple and functional. To program your devices, follow the instructions in "Programming a Device". For best results, please read and follow all the remaining instructions. Also, keep this guide for future reference.

## **Installing Batteries**



Your A-BUSTM Universal Remote requires 2 AA batteries (Supplied) installed, please remove battery isolation tab before operation.

#### **Battery Use and Safety**

- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the remote for an extended period, remove the batteries. They can leak chemicals that can destroy electronic parts.

**WARNING**: Dispose of old batteries promptly. Do not burn or bury them.

## To Install Batteries:

- 1. Open the battery compartment cover (located on the back of the remote).
- Place the AA batteries in the compartment and match the + and – polarity symbols inside with the symbols on the batteries.
- 3. Replace the cover.



#### A Quick Look At The Controls

1 Select a device.

Turn the selected device on or off.

3 Program sequences.

Select the next or previous channel. Select next or previous chapter on some models of DVD players.

Press "LAST" to recall the last-viewed channel.

Raise or lower the sound level.

Press "MUTE" to turn the sound off or on.

Move the cursor in the menu screens. Press "SELECT" to choose the highlighted menu option.

Skip backward, rewind, fast forward, skip forward, stop, pause, or play tracks on the current disc.

View the current channel and program information (if available).

Display the Menu for the selected device.

Exit the selected devices menu, guide or program without making a menu selection.

Display the program guide for the selected device.

Switch the TV's, VCR's, SAT's or DVD's input to view TV or video programs.

Directly enter channels (for example, 09 or 31). Press "ENTER" to send channel number entries on some TV models.

Dedicated A-BUS section, "MUTE", "ALL OFF", source selection "1", "2", "3" and "4", volume "UP" and "DOWN".

In the CBL/SAT, VCR, or DVD modes, the PVR/DVR Keys as follows:

o Press the "RED" button to instantly replay the last 7 seconds of a program you are watching (if the feature is available).

o Press the "GREEN" button to switch between live TV and video programming (if the feature is available).

o Press the "YELLOW" button to open the PVR menu.

o Press the "BLUE" button to skip past commercials or other uninteresting scenes (if the feature is available).

o In the DVD or CD mode, press the "BLUE" button to change discs.

o The A-BUS™ Universal Remote also comes with the Australian Foxtel Digital codes in it's library which utilizes these four buttons.

o Also available for easily identifiable macro buttons.

#### Programming A Device

To control TV, VCR, DVD and CD players, Cable and Satellite Receivers, and Amp/Tuner, follow these steps. Before proceeding, find the codes for the devices you wish to program in "Manufacture's Codes" on pages 7,8,9 & 10 of this manual and write them down in the section below or highlight them for your reference.

NOTE: Any device may be set up on any mode key.

- 1. Turn on the device (for example, DVD player) and, if needed, load media (for example, a DVD).
- 2. Press a device key (AMP, SAT, TNR, CD, AUX or DVD).
- 3. Press and hold "SETUP" until the red LED blinks twice, then release.
- Enter the first five digit code for your device. The LED blinks once as each digit is entered. If the code is correct, the LED blinks twice.

NOTE: If the LED does not blink twice, repeat steps 2 to 4 and try entering the code again.

- 5. Aim the remote at the device and press Power. The device should turn off. If it does not, repeat steps 3-5, trying each code for your brand until you find one that works. If you cannot find a code that works, see "Searching for Your Code".
- 6. Repeat steps 1 to 5 for the other devices you want to control. For future reference, write down each working device code below:

_	_	_	_	_	CD Code:	_	_	_	_	_
_	_	_	_	_	AUX Code:	_	_	_	_	_
_	_	_	_	_	DVD Code:	_	_	_	_	



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#### **Searching For Your Code**

If your device does not respond to the remote after trying all codes listed for your brand, or if your brand is not listed, try searching for your code:

- 1. Press a device key once.
- 2. Press and hold "SETUP" until the red LED blinks twice, then release.
- 3. Enter "991". The LED blinks twice.
- 4. Enter the device group number:

Code	Device Group
0	Cable (Cable Converters, Video Accessories, Satellite Receivers)
1	TV (TVs)
2	VCR (VCRs, DVD players)
3	Audio (Audio Amplifiers, Audio Amp/Tuners, CD players)

- 5. Select a test function, such as Power or Play. The remote sends IR codes from its library to the selected device, starting with the most popular code first.
- 6. If the device responds, go to step 7. If the device does not respond press "CH+". The remote will try the next code. Continue until the device responds.

NOTE: Press "CH-" to try the previous code.

- 7. To set the code, press "SETUP" once. The LED blinks twice.
- 8. To search for other device codes, repeat steps 1 to 6.

## **Checking The Codes**

If you have set up the remote using the procedure in "Searching for Your Code", you may need to find out which four-digit code is operating your equipment.

For example, to find out which code is assigned to your AMP:

- 1. Press AMP once.
- 2. Press and hold "SETUP" until the red LED blinks twice, then release.
- 3. Enter "990". The LED blinks twice.
- 4. To view the code for the first digit, press "1" Count the LED blinks (for example, three blinks = 3), and write down the number in the appropriate code listing at the bottom of page 2 under "Program ming a Device".

NOTE: If a code digit is 0, the LED does not blink.

- 5. Repeat step 4 for the three remaining digits, using 2 for the second digit, 3 for the third digit, 4 for the fourth digit and 5 for the fifth digit.
- 6. To check for other device codes, repeat steps 1-5, substituting the device key for AMP

# **Changing The Volume Lock**

The A-BUS™ Universal Remote comes preset to allow independent volume control of each selected device (Global Volume Unlock). However, you may change the Volume Lock Setting to Global Volume Lock so that one device's volume will control volume in all other modes. After that, you can perform independent operation or Global Volume Unlock to remove all volume locking.

# Locking Volume Control to One Mode (Global Volume Lock)

1. Press and hold "SETUP" until the red LED blinks twice, then release.



## (cont...)

## **Changing The Volume Lock**

2. Enter "993" and then press the mode key for the device you want to control volume (for example, AMP). The LED blinks twice. Now when you press "VOL+", "VOL-" or "MUTE", the selected device (for example, AMP) will control the volume regardless of the current mode.

#### Unlocking All Volume Control (Restoring Global Unlock)

- 1. Press and hold "SETUP" until the red LED blinks twice, then release.
- Enter "993" and then press "VOL+". The LED blinks four times. Volume is independently controlled for all programmed devices.

#### Unlocking a Single Device's Volume Control

- 1. Press a device key (AMP, SAT, TNR, CD, AUX and DVD).
- 2. Press and hold "SETUP" until the red LED blinks twice, then release.
- 3. Enter "993" and then press "VOL-", The LED blinks four times. Volume is independently controlled for the selected devices.

## **System Design**

A macro can be used to control a home theatre operation, to set a favorite channel, or for other multiple functions you would like to control with one key press. You can use any key to activate a macro. Moreover, each Macro Key can hold up to 32 key presses.

You can program a macro that will operate regardless of what mode you are in, or one that will only operate when you are in a specific mode.

NOTE: Programming a new macro over an existing one will erase the original macro.

## Programming a Mode-Independent Macro:

- 1. Press and hold "SETUP" until the red LED blinks twice, then release.
- 2. Press "995". The LED will blink twice.
- 3. Press the key you want to use to activate your macro (Power, any unused key, etc.).
- 4. Enter the series of commands you want the macro to execute (up to 32 commands).
- 5. Press and hold "SETUP" until the red LED blinks twice, then release.

Now, when you press the Macro key, the remote will send the series of commands you have entered, regardless of what mode you are in. For example, you could program the Macro key to turn on both your TV and cable box and select a particular channel.

To clear the macro, repeat steps 1-5 above, but do not enter a series of commands at step 4.

# Programming a Mode-Dependent Macro:

- 1. Press a device key (AMP, SAT, TNR, CD, AUX and DVD).
- 2. Press and hold "SETUP" until the red LED blinks twice.
- 3. Press "978". The LED will blink twice.
- 4. Press the key you want to use to activate your macro (Power, any unused key, etc.).
- 5. Enter the series of commands you want the macro to execute (up to 32 commands).
- 6. Press and hold "SETUP" until the red LED blinks twice, then release.

Now, when you press the Macro key, the remote will send the series of commands you have entered, but only if you are in the mode you selected in step 1. For example, you could program the Macro key to turn on both your TV and cable box and select a particular channel, but only if you are in TV mode. If you are in DVD mode, this key will do nothing.

Page 4

A-BUS
Universal Remote

Honeywell

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System Design

## Clearing a Mode-Dependent Macro:

- 1. Press and hold "SETUP" until the red LED blinks twice, then release.
- 2. Press "978".
- 3. Press the device key where you programmed the macro (AMP, SAT, TNR, CD, AUX and DVD).
- 4. Press the macro's activation key.
- 5. Press and hold "SETUP" until the red LED blinks twice, then release.

**Using Learning** 

The A-BUS™ Universal Remote includes a learning feature so you can add functions that are unique to your home entertainment devices (e.g. VCR Tracking Up or Down). However, there are some considerations:

## **Learning Precautions**

- Your original remote controls must be in working order for Learning to work properly.
- Learned keys are mode specific, so each one can store a unique function for each mode.
- · Learned keys can be used in macros (see Using Macros).
- Do not use the following keys for learning : Device Keys or SETUP Key.
- Learning capacity is approximately 16 to 25 keys, depending on the code being learned.
- Certain device codes are not learnable including multi-frequency types, some high frequency ones, and other unusual formats.
- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

NOTE: Please have your original remote controls handy before programming learning.

## Programming a Learned Key

NOTE: If more than 10 seconds pass between key presses, the remote exits programming.

- 1. Press and hold "SETUP" until LED flashes twice.
- 2. Press "975".
- 3. Press a device key once (i.e., AMP, SAT, TNR, CD, AUX and DVD) to assign a mode for learning.
- 4. Place the A-BUS™ Universal Remote head-to-head about 2" (5cm) apart from original remote control. Also locate the key (on your original remote control) that will serve as the teaching function.
- 5. On the A-BUS™ Universal Remote, press a key where the learned function will be stored.
- 6. On the original remote, press and hold the key to be learned. The A-BUS™ Universal Remote's LED will turn off. Continue holding the key on the original remote until the A-BUS™ Universal Remote's LED blinks twice.

*NOTE*: If the LED displays one long blink, a learning error has occurred. Try repeating this step again until a successful capture occurs. If the function is still not captured, press and hold "SETUP" to exit programming and review the "Learning Precautions" above. If needed, also see "Trouble-shooting". After review, start programming again at step 1.

Repeat steps 2 through 6 for another device and/or key or press and hold "SETUP" to exit programming.

## **Using Learning**



## Deleting a Single Learning Key

- 1. Press and hold "SETUP" until the LED flashes twice. NOTE: If more that 10 seconds pass between key presses, the remote exits programming.
- 2. Press "976".
- Press the device key once (i.e., AMP, SAT, TNR, CD, AUX and DVD).
- Press the key containing the learned function to be deleted twice. The remote LED blinks twice.
- 5. Repeat steps 2 through 4 for another key or press and hold "SETUP" to exit programming

## Deleting All Learned Keys in a Specific Mode

- 1. Press and hold "SETUP" until the LED blinks twice.
- NOTE: If more than 10 seconds pass between key presses, the remote exits programming.
- 2. Press "976".
- 3. Press a device key twice (i.e., AMP, SAT, TNR, CD, AUX and DVD) to clear all the learned keys for that mode. The LED blinks twice.
- 4. Repeat step 3 for another device key or press and hold "SETUP" to exit programming.

#### **Troubleshooting**

PROBLEM: LED does not blink when you press a key.

SOLUTION: Replace battery with two new AA alkaline batteries.

PROBLEM: LED blinks when you press a key, but device does not respond.

SOLUTION: Make sure the remote is aimed at your device and is not more than 15 feet

(4.5m) away.

PROBLEM: LED blinks one long blink.

SOLUTION: An entry error has occurred (for example, wrong key). Try entry sequence again.

PROBLEM: Remote does not control devices or commands are not working properly.

SOLUTION: Try all listed codes for the device. Make sure the device operates with an infrared remote control.

PROBLEM: "CH+", "CH-", and LAST do not work for your RCA TV.

SOLUTION: Due to RCA's design from 1983 to 1987, only the original remote control will

operate these functions.

PROBLEM: No volume on a device. SOLUTION: See "Changing Volume Lock"

PROBLEM: Channels do not change properly.

SOLUTION: If the original remote control required you to press Enter to change channel, press

Enter on this remote after entering the channel number.

# Manufacturer's Codes

Audio Amplifiers	Daewoo 31250	Proscan 31254	Dumont 00637	Torx 00003
Accuphase 30382	Dell 31383	Qisheng 31609, 31390	Eastern 00002	Toshiba 00000
Acurus 30765 Adcom 31100, 30577	Denon 31360, 30004, 31104, 30771, 31311,	Quasar 30039 RadioShack 31263	Emerson 00797 Everquest 00040, 00015	Trans PX 00276, 00153, 00315
Aiwa 30406	30273, 31142, 30301	RadioShack 31263 RCA 31023, 31609,	Focus 00400	Tristar 00883
AudioSource 30011	Dynamic Bass 30360	31254, 30346, 30531,	Funai 00019	TS 00003
Bel Canto Design 31583	Emerson 30424, 30255 Fisher 31409, 30360,	31154, 31511, 30080, 30530, 31074, 31390,	Garrard 00153 GC Electronics 00207,	Tusa 00015 TV86 00063
Bose 30674 Carver 30269	Fisher 31409, 30360, 30219, 31801, 30042	30530, 31074, 31390, 30054, 30360	00056	Unika 00207, 00153,
Classe 31461, 31462	Fonmix 31360	Realistic 30195, 30181.	Gehua 00476	00022
Curtis Mathes 30300	Fosgate 31487 Garrard 30424, 30281,	30163 Regent 31437	Gemini 00797, 00015 General Instrument	United Artists 00007
Denon 30160 Durabrand 31561	30463, 30146, 30440	Rio 31869, 31383	00476, 00810, 00276,	Universal 00153, 00056, 00207, 00022, 00191
GE 30078	Gateway 31517, 31567	Saba 31519	00003, 00014, 00011,	V2 00883
Harman/Kardon 30892	GE 31379	Samsung 31500, 31295	00015	Viewmaster 00883
JVC 30331 Kenwood 30356	Glory Horse 31263 Go Video 31532	Sansui 30189, 30346, 30193, 31089	Global 01327 GMI 00015, 00797	Viewstar 00063, 00027, 00258
Korsun 31483	GoldStar 30281	Sanyo 30801, 30360,	GoldStar 00144, 00040	Vision 00883
Left Coast 30892	GPX 31299	31469, 30219, 31251	Goodmind 00797	Vortex View 00883
Lenoxx 31561 Linn 30269	Hafler 30146 Harman/Kardon 30110,	Scott 30163, 30322 Sharp 31286, 30186,	Hamlin 00009, 00273,	Zenith 00000, 00525, 00899
Logitech 31408	30189, 30891	31386, 31361	00034, 00020, 00259 Hitachi 00014, 00011	Zentek 00400
Luxman 30165	Hewlett Packard 31181	Sharper Image 31545.	Hytex 00007	OD Blooms
Magnavox 30269 Marantz 30892, 30321,	Hitachi 31801, 31273	31556, 30797, 31409, 31416, 31549, 31385,	Jasco 00015, 00315, 00153	CD Players ADC 30018
30269	Inkel 30027, 30062,	31411, 31546, 31723,	Jebsee 00400	Adcom 30155, 30234
Mark Levinson 31483	30502, 30491	31263, 31410	Jerrold 00476, 00810,	Aiwa 30157, 30124,
Nakamichi 30321	Integra 30135, 31298 JBL 30110, 31306,	Sherwood 30491, 31423, 30062, 31077, 30502, 31653	00276, 00003, 00012, 00014, 00011, 00015	30012 Akai 30156
NEC 30264 Optimus 30395, 30300		Shinco 31390	Leon 00015	Audio Alchemy 30194
Optimus 30395, 30300 Panasonic 30521, 30308	JVC 30074, 31282,	Shinsonic 31426	LG 00144, 00040	Audio-Technica 30170
Parasound 30246	31263, 31495, 31374 Kansai 30440	Silsonic 30176, 31426 Sonic 30281	Linsay 00440 Magnavox 00027	BSR 30245, 30194 Burmester 30420
Philips 30892, 30269 Pioneer 30013, 30300	Kenwood 31313. 31570.	Sonic Blue 31383.	Memorex 00000	Burmester 30420 California Audio Labs
Polk Audio 30892,	Kenwood 31313, 31570, 31569, 30027, 31051,	31869, 31532	Motorola 00476, 00810,	30029, 30303
30269 PS Audio 31523	30077, 30313, 31027, 30042, 30239, 30569,	Sony 31058, 31441, 31258, 31759, 30158,	00276, 01254, 01106, 01376	
RCA 30300	30042, 30239, 30569, 31052, 30186, 30314	31442, 31529, 31758,	Movie Time 00156,	Carver 30157, 30437, 30179
Realistic 30395	KLH 31412, 31390,	31371, 31503, 31042,	00063	Classic 31297
Sansui 30321	31428 Koss 30424, 30255,	31658, 31158, 31858, 31367, 31406, 31458,	MS 00015 MultiVision 00012	Crown 30122 DAK 30245
Shure 30264 Sony 30689, 30220,	Koss 30424, 30255, 31366	30168, 31558, 31131,	Novaplex 00618	DBX 30254
30815	Lasonic 31798, 31510	31349, 31382	NSC 00063, 00156	Denon 30873, 30003
	Lenoxx 31437	Soundesign 30670	Oak 00019, 00007	DKK 30000
30211 Technics 30521, 30308	Lexicon 31076 Linn 30189	Stereophonics 31023 Sunfire 31313 30314	Optimus 00021 Pace 01877, 00237	DMX Electronics 30157 Dynamic Bass 30179
Victor 30331	Liquid Video 31497	Sunfire 31313, 30314, 30313, 31052	Panasonic 00000,	Emerson 30305, 30164,
Wards 30078, 30211,	Lloyd's 30195	Tae Kwang 30440	00008, 00107, 00040,	30155, 30469
30013 Yamaha 30354, 30143,	LXI 30181 Magnavox 31189,	Teac 30163, 31267, 31074, 31528, 30463,	00021 Panther 00637	Fisher 30179, 30174, 31325, 30088, 30342
30133, 30504	31269. 30189. 30128.	31390	Paragon 00000	Garrard 30245 30420
YBA 31502	30391, 30195, 31089, 31514, 30531	Technics 31308, 31518,	Philips 00317, 00027,	
Audio Amp/Tupers	31514, 30531 Marantz 31189, 31269,	30039, 30518, 30309, 31309, 30208	00025, 00153, 00013, 00031, 01305	GE 30009 Gemini 30625
Audio Amp/Tuners ADC 30531	30039, 30189, 31089,	Techwood 30281	Pioneer 01877, 00877,	Genexxa 30032, 30305,
Adcom 31616, 30616,	31289, 30200, 30128	Thorens 31189	00144, 00533, 01021	30164
31617 Aiwa 31405, 30158,	MCS 30039, 30346 Memorex 31596	Venturer 31390, 30849 Victor 30074	Popular Mechanics 00400	GoldStar 30417 GPX 31296
30189 31243 31089	Mitsubishi 31393	Wards 30158, 30189,	Pulsar 00000	Harman/Kardon 30157.
31388, 30121, 30405, 31321, 31641, 31347	Modulaire 30195	30080, 30054	Quasar 00000	30173, 31202, 30426 Hitachi 30032, 30155
Akai 30224, 30076,	Musicmagic 31089 NAD 30320	Yamaha 30176, 30081, 31176, 31375, 30186,	RadioShack 00015, 00883, 00797, 00315	Inkel 30196, 30180,
31512, 31255	Nakamichi 30347,	31176, 31375, 30186, 31331, 31276	RCA 00021	30437
Alco 31390	30097, 31555	Yorx 30195	Realistic 00207	Integra 30101
Amphion Media Works 31615, 31563	NEC 30235 Norcent 31389	Zenith 31293, 30857, 30281, 31869	Recoton 00400 Regal 00279, 00273,	JVC 30072, 31294, 30655
AMW 31563, 31615	Onkyo 30135, 31298,		00259, 00020	Kenwood 30681, 30826,
Anam 31609, 31074, 30281	30842, 30380, 31531	Cable Converters	Regency 00002	30626, 30028, 30037,
Apex Digital 31430,	Optimus 31023, 30801, 31074, 30080, 30186,	ABC 00003, 00008, 00014, 00001, 00007,	Rembrandt 00011 Runco 00000	30036, 30190 KLH 31318
31257	30531, 30797, 30042,	00013, 00011, 00017	Samsung 00000, 00144,	Kodak 30287
Arcam 31120 Audiophase 31387	30181, 30440, 30738, 30849, 30177, 30219.	Allegro 00315, 00153	00040 Scientific Atlanta 01877,	Korsun 31484 Koss 31317
Audiotronic 31189	30849, 30177, 30219, 30670	Americast 00899 Antronix 00207, 00022		Koss 31317 Krell 30157
Audiovox 31390, 31627	Oritron 31497, 31366	Archer 00797, 00207,	00017	Kyocera 30018
AVLight 30158 Bel Canto Design 31584	Panasonic 31518,	00153, 00022	Seam 00510	LG 31208
Bose 31229, 31253,	30039, 31548, 31764, 30518, 31350, 31763,	Belcor 00056 Bell & Howell 00014	Signal 00040, 00015 Signature 00011	Linn 30157 Luxman 30093
30639 Brix 31602	30367, 31316,	Bell South 00899	SL Marx 00040	LXI 30305
Cambridge Soundworks	31509, 31633, 30309,	Cable Star 00056 Cabletenna 00022	Sony 01006 Sprucer 00021	Magnavox 30157, 30305 Marantz 30626, 30029,
31477, 31370	31288, 31363 Penney 30195	Cableview 00022	Starcom 00003, 00014,	30157, 30180
Capetronic 30531 Carver 31189, 30189,	Penney 30195 Philco 31390 Philips 31189, 31269,	Century 00153 Citizen 00315, 00153	00015	Mark Levinson 31484
30042, 31089, 30008,	Philips 31189, 31269, 30189, 31365, 31089,	Citizen 00315, 00153 Clearmaster 00883	Stargate 00015, 00797, 00040	McIntosh 30287 MCS 30029, 30043
30360	31266, 31283, 30891,	ClearMax 00883	Starquest 00015	Miro 30009, 30043
Casio 30195 Clarinette 30195	31368, 30391, 31120,	Colour Voice 00025,	Supercable 00276	Mission 30157
Classic 31352	31268 Pioneer 31023, 30150,	00031 Comtronics 00040	Supermax 00883	MTC 30420, 30625 Nakamichi 30147
Coby 31513, 31389,	30630, 31184, 30080,	Contec 00019	Sylvania 00001 Tandy 00258	NEC 30043, 30234
31263 Compag 31136	30531, 31084, 31384,	Coolmax 00883	Teleview 00040	Nikko 30174, 30170,
Compaq 31136 Criterion 31420	30244, 31343 Polaroid 31508	Daeryung 01877, 00877, 00477, 00008	Texscan 00001 TFC 00310	30164, 30625 NSM 30157
Curtis 31596 Curtis Mathes 30080	Polk Audio 30189,	Digi 00637	Timeless 00040	Onkyo 30868, 30101
Page 7	31289	Director 00476	Tocom 00012, 00013	Optimus 31063, 30000,
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Manufacturer's Codes

30032, 30037, 30342,	Cambridge Soundworks	Polaroid 21086, 21061,	GOI 00775, 01775	11937, 10003
30437, 31075, 30145,	21916	21998, 21200	Goodmans 01246	Axion 11937
30194, 30305, 30426, 30087, 30179, 30280.	CAVS 21057	Polk Audio 20539	Hisense 01535 Hitachi 00819. 01250.	Baihe 10264
30087, 30179, 30280, 30420, 30468, 30175,	Changhong 20627, 21061	Portland 20770 Prima 21016	Hitachi 00819, 01250, 00214, 00491, 00489,	Baile 10001, 10391 Baohuashi 10264
30196	CineVision 20876, 20869	Princeton 20674	00201	Baosheng 10817
Panasonic 30029,	Classic 21917	Proscan 20522	HTS 00775 01775	Baosheng 10817 Beijing 10812, 10391,
30752, 30303	Coby 20778, 21107,	ProVision 20778	Hughes Network	10264 10817 10001
Parasound 30420, 30194 Philips 30626, 30157,	21086, 21923, 20852,	Qwestar 20651 RCA 20522, 20571,	Systems 01142, 00749,	Belcor 10019 Bell & Howell 10154,
Philips 30626, 30157, 30287	21165 Criterion 22007	RCA 20522, 20571, 20717, 20822, 21193,	01444	10016
Pioneer 31063, 31062,	Curtis Mathes 21087	21974 21132 21965	I-Lo 01535	BenQ 11032
30032, 30305, 30468,	CyberHome 21023, 21129,	21974, 21132, 21965, 21022, 21913	JVC 00775, 01170,	
31087	CyberHome 21023, 21129, 20816, 21117, 21024 Daewoo 20784, 20869,	Regent 21938	00492, 01775	Brockwood 10019
Polk Audio 30157 Proton 30157	20833, 21918, 21172,	Rio 20869 Rotel 20623	LG 01414, 01226 Magnavox 00724, 00722	Broksonic 10236, 10463, 11911, 11938,
QED 30157	20705	Rowa 20823	Matsushita 00340,	10003, 11905, 11935,
Quad 30157	Denon 20490, 20634	Saba 21977	00214, 00500	11929
Quasar 30029	Dual 21085, 21068	Sampo 20752, 20698	Memorex 00724	Caihong 10817
RadioShack 31075 RCA 31062, 30032,	DVD2000 20521	Samsung 20490, 20573,	Mitsubishi 00749, 00491 Motorola 00869	Cailing 10/48
30305, 30764, 30179,	Emerson 20591, 20675, 20821	20820, 21932, 21075, 20899, 21979	NEC 00496, 01270	Candle 10030, 10046, 10186, 10056
30468, 30009, 30155,	Enterprise 20591	Sansui 20695	Next Level 00869	Carnivale 10030
30420, 30053	Fisher 20670, 21919	Sanyo 20695, 20670,	Panasonic 00247,	Carver 10054, 10170
Realistic 30164, 30180,	Funai 20675	21967, 20873 Sharp 20630, 20752	00701, 00214, 00500,	Celebrity 10000
30155, 30179, 30175, 30420	Gateway 21077, 21073, 21158	Sharper Image 21995,	00340 Paysat 00724	Celera 10765 Changcheng 10051,
Rotel 30157, 30420	GE 20522, 20815,	21117	Philips 01142, 00749,	10817, 10001, 10391,
SAE 30157	20717	Sherwood 21043,	01749, 00724, 01076,	10264
Sansui 30157, 30305,	Go Video 20744, 20869,	20770, 20633, 21077	00722, 00099, 01442	Changfei 10817
30202	21099, 21970, 20715, 20833, 21075, 21730,	Shinco 20717	Proscan 00392, 00566	Changfeng 10817, 10264
Sanyo 30179, 30087 SAST 30157	20833, 21075, 21730, 20783, 21044, 2114	Shinsonic 20533, 20839, 21931	Proton 01535 RadioShack 00869	Changhai 10817
Scott 30305, 30164,	GPX 20699, 20769	Sigma Designs 20674	RCA 00392, 00566,	Changhong 10156.
30155	Greenhill 20717	Sonic Blue 20869.	00855, 00143, 01392	10765, 10817, 10264,
Sears 30305	Harman/Kardon 20582,	21970, 21099	Samsung 01276, 01109,	10783, 10767, 11910
Sharp 30861, 30037, 30180	20702 Hitachi 20573, 20664,	Sony 20533, 21533, 20864, 21033, 21904,	01108 Sanyo 00493, 01219	Chengdu 10817
Sherwood 31067,	21919	20864, 21033, 21904, 22020, 21903, 21981,	Sharp 00494	Ching Tai 10003, 10474, 10179, 10092
30196, 30180, 30426	Hiteker 20672	20772, 21934	SKY 00856	
Shure 30043	Initial 20717, 21931	Sungale 21074	Sony 00639, 01639,	10161, 10474, 11150,
Silsonic 30888, 30036 Sonic Frontiers 30157	Integra 20627, 21924 Jamo 22003	Superscan 20821 SVA 20717, 20860,	00294, 01640, 00163 Star Choice 00869	Chun Yun 10000, 10180, 10161, 10474, 11150, 10092, 10843, 10003, 10179, 10700
Sonv 30490, 30000.	Jaton 21078	21105	Tivo 01142, 01444,	
31364, 30185, 30605,	JBL 21926, 20702	Sylvania 20821, 20675	01443, 01442	Chung Hsin 10180, 10053,
30100, 30604	Jensen 21016	Symphonic 20675	Toshiba 00749, 01749,	
Soundesign 30425, 30145 STS 30018	JVC 20558, 20623, 21940, 21901, 20867	Teac 21984, 20809 Technics 20490	00790, 00486, 01285 UltimateTV 01392,	Chunsun 10817 Cinema 10672
Symphonic 30305	jWin 21051, 21049	Technosonic 20730	01640	Citizen 10060, 10030,
TÁG McLaren 30157	Kenwood 20490, 20534,	Techwood 20692	Uniden 00724, 00722	10039, 10280, 10056,
Tascam 30420	21063, 20682 KLH 20717, 21939,	Terapin 21031 Theta Digital 20571	US Digital 01535	10186, 10046, 10092,
TDK 31208 Teac 30393, 30180,		Tivo 21996	USDTV 01535 Victor 00492	11928 Clairtone 10185
30174, 30420	Konka 20720, 20719,	Toshiba 20503, 21154.	Voom 00869	Clarion 10180
Technics 30029, 30207,	20711, 20721	Toshiba 20503, 21154, 22006, 21045, 21996,	Zenith 00856, 01856	Colt 11906
30303	Koss 20651	20695, 21988	TVs	Concerto 10056
Tivoli Audio 31553 Vector Research 30194,	Landel 20826 Lasonic 20798, 21173	Tredex 20803, 20800, 20799, 20804	888 10264	Conrowa 10156, 10145, 10264
30417	Lenoxx 21938	TYT 20705	A-Mark 10003	Contec 10180, 10157,
Victor 30072	LG 20801, 20101	Urban Concepts 20503	Abex 10032	10185
Wards 30157, 30053 Yamaha 30888, 30036,	Liquid Video 21980 Lite-On 21158, 21058	US Logic 20839 V Inc. 21226, 21064	Addison 11150, 10653, 10092	Craig 10180, 10161 Crosley 10054
30187, 30170, 31292	Loewe 20511	Vocopro 21027	Admiral 10093, 10463	Crown 10180, 10039
YBA 30625	Magnayox 20503.	Xbox 20522	Advent 10761, 10817,	Curtis Mathes 10047,
Yorx 30461	20675, 21976, 21914,	Xwave 21001	10815, 11933, 10783,	
Zonda 30157	20821 Malata 21159, 20782	Yamaha 20490, 20539, 20545	10842 Adventura 10046	10093, 10060, 10702, 10030, 10145, 10166,
DVD Players	Marantz 20539	Zenith 20503, 20591,	Aiko 10092	10466, 11347, 10039,
Adcom 21094	Memorex 20695	21906, 20869, 22002	Aiwa 11914, 11910	10056, 11147, 10016,
Advent 21016 Aiwa 20641, 21912	Microsoft 20522	Satellite Receivers	Akai 10812, 10702, 10030, 10672, 11903, 10264	
Akai 20899, 20770,	Mintek 20839, 20717 Mitsubishi 21521, 20521	AlphaStar 00772	Alaron 10179	CXC 10180 Daewoo 10154, 10451,
21975, 21089	Momitsu 21082	Chaparral 00216	Albatron 10843, 10700	10180, 10030, 10178,
Allegro 20869	NEC 20785	Crossdigital 01109	Ambassador 10177	11661, 10474, 10003,
Amphion Media Works	Nesa 20717	DirecTV 00392, 00566, 00639, 01639, 01142,	America Action 10180	10628, 10032, 11150, 10092, 11928, 10627,
22016, 22001 AMW 20872, 22016,	Next Base 20826 Niro 22024	00639, 01639, 01142, 00247, 00749, 01749,	Ampro 10751 Anam 10250, 10180,	10700 10056 11909
22001, 21176	Norcent 21003, 20872,	00724, 00819, 01856,	10003, 10700, 10161,	10170, 10391, 10623, 10019, 10672, 10039
Anam 21913	21923, 21107	01076, 01109, 00099,	10628	10019, 10672, 10039
Apex Digital 20672, 20717, 20797, 21020,	Onkyo 20503, 20627, 21924, 20792, 21985	01444, 01108, 01392, 01443, 01640, 01442,	Anam National 10250, 10161, 10055, 10650	Daytron 10019 Daytr 10391
21100, 20796, 21004,	Oritron 20651, 21980	01414	Anhua 10051	Dell 11080
21061, 21937, 20794,	Panasonic 20490,	Dish Network System	AOC 10451, 10093.	Denon 10145, 10511
20830, 21056, 21915,	21462, 21907, 21910, 21990, 21362, 21762,	01005, 00775, 01775, 01505, 01170	10180, 10060, 10030,	Dumont 10017, 10019 Durabrand 10463,
20755 Aspire Digital 21168	21909. 21986. 20632.	Dishpro 01005, 00775,	10178, 10019, 10185, 11150, 10018, 10052,	Durabrand 10463, 10180, 10178, 10171,
Audiologic 20736 Audiovox 21071, 21122,	21490, 21908, 21925,	01505, 01775	10474, 10003, 10092,	11034, 10003
Audiovox 21071, 21122,	22017 Dhiles 22000	Echostar 01005, 00775,	10179	Dwin 10774, 10720
21041, 21121, 21072 Axion 21071, 21072	Philco 22000 Philips 20503, 20539,	01170, 01775, 01505 Expressyu 00775, 01775	Aolinpike 10264 Apex Digital 10748, 10765,	ECE 10037 Electroband 10000,
Axion 21071, 21072 B & K 20662, 20655	20646, 20885, 20854,	Expressvu 00775, 01775 <b>Foxtel</b> 00879, 01356	10767, 11943, 10879	10185
Bel Canto Design 21571	21914	Funai 00338	Archer 10003	Electrohome 10381
Blaupunkt 20717 Blue Parade 20571	Pioneer 20525, 20571, 20638, 20632, 20631,	GE 00566 General Instrument	Audiovox 10451, 10180, 10875, 11952, 10802,	Elektra 10017, 11661
Broksonic 20868, 20695	21902	00869	11951, 10092, 10623,	
				Page 8

(cont...) Manufacturer's Codes

Emerson 10154, 10236, 10463, 10180, 10178, 10171, 10280, 10623, 10038, 11911, 11944, 10179, 10019, 11909, 11929, 10185, 10282, 11905, 10039, 11928,	11933, 10817 Jiahua 10051 Jialicai 10264 Jinfeng 10051, 10817 Jinhai 11910 Jinque 10817, 10264	10185, 10019, 10056 Mudan 10051, 10817, 10264 Multitech 10180 NAD 10156, 10178, 10866	11547, 10038, 11919, 10092, 11953 Realistic 10154, 10180, 10030, 10178, 10056, 10019, 10039, 10165, 10032	Tacico 10178, 10179, 11150, 10092, 10474 Tai Yi 11150
10177 Envision 10030, 10813	Jinta 10264, 11910 Jinxing 10054, 10156,		Rhapsody 10185 Rowa 10748, 10037,	Taishan 10817, 10391 Tandy 10093
Epson 10833, 10840 Ether 10030, 10161, 10003	10145, 10264, 10037, 10817 Juhua 10817, 10264	NICO 101E1 101EC	10817 Runco 10017, 10030, 10603, 10497	Tashiko 11150, 10650, 10092 Tatung 10054, 10154,
Feilu 10817 Feiyan 10264	JVC 10053, 10160, 11923, 11253, 10036, 10653	10051, 10053, 10030, 10178, 10046, 11150, 10056, 10165, 10186,	Ruvi 10817	10156. 10051. 10060.
Feiyue 10817 Firstar 10236	Kaige 10264, 10817 Kangchong 11910	10474, 10036, 10882, 10381, 10817, 11704,	Saige 10817 Sampo 10154, 10093, 10030, 10178, 10171,	recinius ruzou, ruuo r
Fisher 10154, 10159 Fortress 10093	Kangli 10001, 10817, 10391, 10264	10497	11755. 10032, 10474,	Techview 10847
Fujitsu 10186, 10853, 10179, 10809, 10683 Funai 10180, 10171,	Kangyi 10264 Kaypani 10052 KEC 10180	Newave 10093, 10178, 11150, 10092, 10161 Nikko 10030, 10178,	10036, 10092, 10650 Samsung 10154, 10156, 10060, 10812, 10702,	Techwood 10051, 10003, 10056 Teco 10051, 10093,
Funai 10180, 10171, 10264, 11904, 10179, 10342	Kenwood 10030, 10019 KLH 10765, 10767	Nikko 10030, 10178, 10092 Nikon 11910	10030, 10178, 10019, 10056, 11060, 10092,	10178, 10474, 10036,
Furi 10145, 10817, 10264	KLL 10037 Kloss 10046, 10024	Norcent 10748, 10824 Noshi 10018	10474, 10774, 10032, 10817 10090 11903	10653 Teknika 10054, 10180,
Futuretech 10180 Ganxin 10817	11150, 10036, 10474	NTC 10092 Onking 10280 Onwa 10180	10264, 10766, 10814, 11150, 10179	10150, 10060, 10019, 10056, 10186, 10016, 10092, 10039, 10179
Gateway 11756, 11755 GE 11447, 10047,	Kongque 10264, 10817 Konka 10632, 10707,	Optimus 10154, 10250,	Samsux 10039 Sanjian 10264	Telefunken 10702,
11454, 10051, 10451, 10180, 10030, 10178, 10092, 11147, 11919,	11940, 10628, 10703, 11939, 10638, 10817 KTV 10180, 10030,	10166, 11924, 11913, 10650, 11927 Optoma 10887	Sansui 10463, 11904, 11929, 11911 Sanyo 10154, 10156,	Tera 10030, 10466,
10055, 10027, 11917, 10135, 10282, 11347,	10185, 10039, 10280 Kuaile 10264	Optonica 10093, 10165 Orion 10236, 10463,	10180, 10145, 10376,	Thomas 11904 Tiane 10093, 10817
10021, 11907, 11922 General 10186	Kunlun 10051, 10817, 10264	11911, 11905, 10179, 11463, 11929	11907, 10159, 10280, 10424, 10799, 11154.	TMK 10178, 10177,
Gibralter 10017, 10030, 10019	10178, 10056, 10442,	Panasonic 10054, 10250, 10051, 10161,	10798, 10088, 11150	Tobo 10748, 10264
Gintai 11150, 10474 Go Video 10886 GoldStar 10154, 10030,	10856, 10001, 10038, 10700, 10019, 10037, 10474, 11178, 10003,	11410, 11927, 11947, 10037, 10055, 10650, 11034	Sanyuan 10093, 10817 Scimitsu 10019	Tongguang 10264 Toshiba 10154, 11256, 10156, 10060, 10145,
10178, 11926, 10019, 10037, 11910, 10001,	10474, 11178, 10003, 10032, 10006 Lihua 10817	11924, 11946, 11919, 11941 Panda 10051, 10706,	Scotch 10178 Scott 10236, 10180, 10178, 10179, 10019 Sears 10047, 10054,	10156, 10060, 10145, 11918, 11945, 10381, 10832, 10036, 11704,
10032, 10056, 11150, 10039	Lloyd's 11904 Loewe 10136	Panda 10051, 10706, 10817, 10264, 11910 Penney 10047, 10156,	10154, 10156, 10178,	11936, 10264, 10650, 11150, 11656, 11935,
Goodmans 10360 Grunpy 10180, 10179	Logik 10016 Longjiang 10264, 10817	10051, 10060, 10030, 10178, 10135, 11347,	10171, 11926, 11904, 10056, 10159, 10179	10161, 10509, 10845, 11356
Haier 11034, 10768 Haiyan 10264, 10817	Luxman 10056 LXI 10047, 10054,		Shancha 10817, 10264 Shanghai 10264, 11910,	Tosonic 10185 Totevision 10039
Hallmark 10178 Hankook 10180, 10030, 10178, 10019, 10056,	10154, 10156, 10178 Magnasonic 11928, 11913	10021, 10032, 11907, 10019 Philco 10054, 10180,	10817 Shaofeng 10145, 10817 Sharp 10093, 10030,	Trical 10157 Tuntex 10030, 10474, 10092
10628 Harley Davidson 11904,	Magnavox 11454,	10030, 10178, 10628, 10474, 10020, 10037,	10157, 10386, 10650, 10720, 10032, 10851,	TVS 10463
10179 Harman/Kardon 10054	11904, 10020, 11944, 10036, 10179, 10386,	10096, 10186, 10774, 10019, 10032, 10056	10256, 10491, 10689, 10818, 10039, 10165,	Universal 10027 V Inc. 11756, 10885,
Harvard 10180 Havermy 10093	11931, 10096, 10187, 11254, 11913, 10024,	Philips 11454, 10054, 10000, 10051, 10030, 100474, 100474	10474, 10688, 10787, 10036, 11917	Vector Research 10030
Hello Kitty 10451 Himitsu 10180, 10628 Hisense 10156, 10748,	10186 Magnin 11907 Majestic 10016	10178, 10474, 10019, 11154, 10092, 10187, 10774, 10024, 10037,	Sharper Image 11950 Shen Ying 10092, 10003, 10474, 10179	Victor 10250, 10053, 10160, 10650, 10376, 10036, 10653
10145 Hitachi 11256, 10156,	Marantz 10054, 10030, 10854, 10704, 11154,	10056, 10186, 10690, 10020, 10032	Shencai 10145, 10264 Sheng Chia 10093, 10236,	Vidikron 10054
10030, 10178, 11145, 10145, 10038, 11245,	10855 Maruman 10627, 10391	Pilot 10030, 10019, 10039	10179, 11150, 10474 Shenyang 10817, 10264	10036 Viewsonic 10857,
10092, 10027, 10381, 10036, 11150, 10056, 11004	Matsushita 10250, 10650, 10161	Pioneer 10166, 10038, 10866, 10679 Portland 10092, 10039,	Shogun 10019 Signature 10016 Simpson 10187, 10186	11755, 10885, 10864 Viking 10046 Wards 10054, 10030,
11904, 10151, 10165, 10019, 10186, 10032, 10039, 10157, 10016,	Megapower 10700 Megatron 10178, 10145, 10003	10019 Prima 10761, 10815,	Skygiant 10180 Skyworth 10748, 10264,	10178. 10020. 10080.
10179, 10474 Hongmei 10093, 11910,	MEI 10185 Meile 10264, 11910,	10783, 11933, 10817 Princeton 10717, 10700	10037, 10817	10027, 10056, 10111, 10179, 10016, 10021,
10817, 10264 Hongyan 10817, 10264	10817 Memorex 10154, 10463,	Prism 10051 Proscan 11447, 10047,	10036, 10650, 11300, 10111, 11925, 10080,	10096 Warumaia 10391
Hua Tun 11150 Huafa 10145 Huanghe 10817	10150, 10178, 10179, 11920, 11927, 10016, 11911, 11926, 11924	11347, 11922 Proton 10030, 10178, 10001, 10039, 10466,	10834, 11904 Soundesign 10180, 10178, 10179, 10186	Waycon 10156 Westinghouse 10889 White Westinghouse
Huangshan 10264, 10817	Mermaid 10037 MGA 10150 10030	10001, 10039, 10400, 10003, 10052, 10474 Pulsar 10017, 10019 Qingdao 10051, 10817,	Sowa 10156, 10051,	10463, 10186, 11909, 10623
Huanyu 11910, 10817, 10264	MGA 10150, 10030, 10178, 11907, 10019 Midland 10047, 10017,	Qingdao 10051, 10817, 10264	10060, 10178, 10036, 10092, 10474, 11150 Spectricon 10003	Xiahua 10817, 10264 Xiangyang 10264
Huaqiang 10264 Huari 10145, 10264	10051, 10039, 10135, 10032	Quasar 10250, 10051, 11924, 10165, 11919, 10055, 10650	Squareview 10171 SSS 10180, 10019	Xihu 10817, 10264 Xinghai 10264
Huodateji 10051 Hyundai 10849	Minutz 10021 Mitsubishi 10154,	RadioShack 10047,	Starlite 10180 Studio Experience	Xinrisong 11910 Xuelian 11910
Imperial Crown 10001, 10391, 10264 Infinity 10054	10250, 10093, 10236, 10180, 11250, 10150, 10030, 10178, 10381,	10154, 10180, 10030, 10178, 10032, 10056, 11920, 10165, 11904,	10843 Supre-Macy 10046 Supreme 10000	Yamaha 10030, 10838, 10019, 10833, 10769, 10839
Inteq 10017 Janeil 10046 JBL 10054	10836, 10176, 10361, 10836, 10036, 10179, 10817, 11150, 10474,	10019, 10039 RCA 11447, 10047,	SVA 10748 10587	Yapshe 10250 Yongbao 11910
JCB 10000	10019, 10868, 10056, 11917	11454, 10000, 10030, 10178, 10679, 11247,	10871, 10870 Sylvania 10054, 10030.	Youlanasi 10817 Yousida 11910
Jean 10156, 10051, 10236, 10092, 10179, 10003, 10474	Monivision 10843, 10700 10003 10055	11917, 10090, 11948, 11147, 10019, 11907, 11032, 110135, 11058	10171, 11931, 10381, 11944, 10020, 10096	Zenith 10017, 10463, 10178, 11911, 10016, 11000, 10003, 11004
Page 9	Motorola 10093, 10055	11922, 10135, 11958,	Symphonic 10180,	11909, 10092, 11904,

# (cont...) Manufacturer's Codes

11929	GOI 21944	20479, 20295, 21479	Systemax 21972
Zonda 10003	GoldStar 20037, 20209,	Panarex 21950	Tagar Systems 21972
VCRs	20038, 20226, 20225, 21237	Panasonic 21062, 20035, 20162, 20077,	Tashiko 20037 Tatung 20045, 20067,
ABS 21972	Gradiente 20000	20226 20616 21162	2004 1. 20300. 20008
Admiral 20048, 20209	Haojie 20240	20225, 20367, 20227, 21035, 21262	Teac 20000, 20041
Adventura 20000	Harley Davidson 20000 Harman/Kardon 20081,	21035, 21262 Pansat 21950	Technics 20035, 20162
Aiko 20278 Aiwa 20037, 20000,		Penney 20035, 20037.	Teco 20035, 20037, 20048, 20041, 20038, 20040
20307, 20468, 20124, 20406, 20348, 20479	Harwood 20072, 20068	Penney 20035, 20037, 20240, 20042, 20038,	Teknika 20035, 20037,
20406, 20348, 20479	Hauppauge 21992	21035, 20040, 20054,	20000, 20052
Akai 20041, 20061, 20175, 20106	Headquarter 20046 Hewlett Packard 21972	21237 Pentax 20042 20105	Thomas 20000 Tivo 20739, 21957, 20636
Alienware 21972	HI-Q 20047	Pentax 20042, 20105 Philco 20035, 20000,	Tivo 20739, 21957, 20636, 21956, 20618, 21503
America Action 20278	Hitachi 20037, 20000,	20226, 20479	TMK 20240, 20208,
American High 20035 Amoisonic 20479	20042, 20041, 20166, 20105, 20089	Philips 20035, 20081, 20000, 20226, 20739,	20036 Toshiba 20045, 20067,
Anam 20162, 20037,	Howard Computers	21381. 20110. 20618.	20043. 20041. 20210.
20240, 20278, 20226,	21972 HP 21972	21181, 20563, 21081, 21949, 20062	20384, 21008, 21972, 20366, 20845, 21503,
21037 Anam National 20162,	HTS 21944	Pilot 20037	20366, 20845, 21503, 20066, 20212, 20828,
20226	Hughes Network	Pioneer 20042, 20067.	21145, 20008
Asha 20240	Systems 20042, 21949,	20058	Totevision 20037, 20240
Audiovox 20037, 20278 Beaumark 20240	20739 Hyundai 21951	Polk Audio 20081 Profitronic 20240	Touch 21972 UltimateTV 21989
Bell & Howell 20104	iBUYPOWER 21972	Proscan 20060, 20760.	Unitech 20240
Blaupunkt 20226	Jensen 20041	21954, 20202, 21060,	Vector 20045
Broksonic 20184, 20121, 20209, 20002,	JVC 20045, 20067, 20041, 21945, 20008,	20761 Protec 20072	Vector Research 20038, 20040
20348, 20295, 21479,	20041, 21945, 20008, 21944, 20384, 20366	Pulsar 20039	Victor 20067, 20041,
20479	KEC 20037, 20278	Qisheng 20060	20008, 20384
Calix 20037 Canon 20035, 21174,	Kenwood 20067, 20041, 20038, 20384	Qisheng 20060 Quarter 20046 Quartz 20046	Video Concepts 20045, 20040, 20061
20167	KLH 20072	Quasar 20035, 20162,	Videomagic 20037
Carver 20081	Kodak 20035, 20037 Kolin 20043, 20041	Quasar 20035, 20162, 21035, 20077, 21162	Videosonic 20240
CCE 20072, 20278 Changhong 20048,	LG 20037, 20045,	RadioShack 20000, 21037	Viewsonic 21972 Villain 20000
20081	20042, 20209, 20038,	Radix 20037	Wards 20060, 20035,
Citizen 20037, 20278,	20042, 20209, 20038, 22010, 21037, 20040 Lloyd's 20000, 20208	Randex 20037	20048, 20047, 20081,
21278 Colt 20072	Lidyd 8 20000, 20208 Logik 20072	RCA 20060, 20035, 20240, 20000, 20042,	20240, 20000, 20042, 20072, 20062, 20212,
Craig 20037, 20047, 20240, 20072, 20271	LXI 20037	20807. 21060. 21989.	20760
20240, 20072, 20271	Magnasonic 21278,	20106, 20761, 21035,	White Westinghouse
Curtis Mathes 20060, 20035, 20162, 20041,	20593 Magnavox 20035,	20058, 21964, 20105, 20226, 20760, 20880,	20209, 20072, 20637 XR-1000 20035, 20000,
20760, 21035	20039, 20081, 20000,	21954, 20077, 20202,	20072
Cybernex 20240 CyberPower 21972	20593, 20563, 20110,	20453 Realistic 20035, 20037,	Yamaha 20041, 20038 Zenith 20039, 20033,
Daewon 20045 20104	21781 Magnin 20240	20048, 20047, 20000,	Zenith 20039, 20033, 20000, 20209, 20034,
Daewoo 20045, 20104, 20278, 20210, 20368,	Marantz 20035, 20081,	20104, 20066, 20046,	20479, 21479, 21139,
21278, 20637, 20046, 20212, 20561	21381 Marta 20037	20062 ReplayTV 20614, 20616	20637 ZT Group 21972
Dell 21972	Matsushita 20035.	Ricoh 20253, 20034	21 Gloup 21972
Denon 20042	20162, 20226, 21162, 20367, 20227 Media Center PC 21972	Runco 20039	Video Accessories
DirecTV 20739, 21989, 21954, 21949	20367, 20227 Media Center PC 21972	Sampo 20037, 20048 Samsung 20240, 20045	ABS 01272 Alienware 01272
DISN Network System	MEI 20035	Samsung 20240, 20045, 20212, 20760, 20210,	CyberPower 01272
21943, 21946, 21945,	Memorex 20035, 20162, 20037, 20048, 20039,	20432, 21014	Gateway 01272 Hewlett Packard 01272,
21944 Dishpro 21944, 21943	20037, 20048, 20039, 20047, 20240, 20000,	Samtron 20643 Sanky 20048, 20039	01267
Durabrand 20039,	20104. 20209. 21237.	Sansui 20000, 20067,	Howard Computers
20038	20046, 20479, 21162,	20209, 20041, 20479, 20271, 21479	01272 HP 01272
Dynatech 20000 Echostar 21943, 21946,	20348, 21048, 21262, 20307, 21037	Sanyo 20047, 20240,	iBUYPOWER 01272
21945, 21944	MGA 20240, 20043,	20104. 20046. 20159.	InterVideo 01393
Electrohome 20037 Electrophonic 20037	20061 MGN Technology 20240	20369, 20368 Scott 20184, 20045,	Jensen 01165 JVC 01384
Emerex 20032	Microsoft 21972	20121, 20043, 20210,	Keyspan 01344
Emerson 20035, 20037,	Microsoft 21972 Mind 21972	20212	KWorld 01403
20184, 20240, 20045, 20000, 20121, 20043,	Minolta 20042, 20105 Mitsubishi 20067, 20043,	Sears 20035, 20037, 20047, 20000, 20042,	LG 01415 Linksys 01365
20209, 20002, 20278,	20041, 20061, 20807, 20173	20104, 20046, 20066,	Macro Image
20295, 20036, 20637,	Motorola 20035, 20048	21237, 20054, 20105	Technology 01383
21593, 20561, 21479, 20068, 20208, 20479,	MTC 20240, 20000 Multitech 20000, 20072	Sharp 20048, 20209, 20363, 20848, 20807,	Media Center PC 01272 Microsoft 01272
20068, 20208, 20479, 21278, 20061, 20212 Euro1 21962	NAD 20058	20062, 20738, 21048	Mind 01272
Euro1 21962	National 20226	Shinco 20000	Motorola 01363 MvHD 01383
Expressvu 21944 Fisher 20047, 20104,	NEC 20035, 20037, 20048, 20104, 20067,	Shintom 20072 Shogun 20240	Northgate 01272
20066, 20054 Fuji 20035, 20033	20041, 20038, 20040, 20008, 20370	Singer 20072	Panasonic 01120
Fuji 20035, 20033 Fujitsu 20045, 20052,	20008, 20370 Newaye 20037	Sonic Blue 20614, 20616	Pinnacle Systems 01268 Pioneer 01010
Fujitsu 20045, 20052, 20366	Newave 20037 Nikko 20037	Sony 20035, 20032,	Princeton 00113, 00295
Funai 20000, 20593,	Nikon 20253, 20034	20033, 20000, 20253,	Rabbit 00081
21593 Garrard 20000	Noblex 20240 Northgate 21972	20639, 21232, 21972, 20636, 21032, 21957,	Roku 01486 Samsung 01190, 01490
Gateway 21972	Olympus 20035, 20226,	20034, 20586, 20640,	Sensory Science 01126
GE 20060, 20035,	21046	21956	Sensory Science 01126 Sharp 01010 SMC 01456
20240, 21060, 20202, 20760, 21035, 20807,	Onkyo 20222 Optimus 21062, 20162,	STS 20042 Sunpak 20253	SMC 01456 Sony 01272, 01324,
20226, 20761	20037 20048 20104	Sylvania 20035 20081	01364
General 20045, 20366, 20052	21048, 21262, 20593,	20000, 20043, 20110, 21781, 21593, 20593	Streamzap 01309
Go Video 20643, 20526,	21162, 20058, 20432 Optonica 20062	21781, 21593, 20593 Symphonic 20000,	Systemax 01272 Tagar Systems 01272
20432	Orion 20184, 20209, 20002,	Symphonic 20000, 21593, 20593	TeleCaption 00171

Toshiba 01272 Touch 01272 Viewsonic 01272, 01329 7, ZT Group 01272

# **BACK COVER**

# Honeywell

#### **Specifications**



## Dedicated A-BUS Control buttons plus 6 Banks with Code Library and Learning Capabilities

A-BUS Buttons: 4 x Source Input, Volume Up/Down Off and All Off

Banks: 6 (All Bank Buttons will Learn Macros) Buttons: 39 Keys per Bank (Not Including A-BUS)

< 50 feet (15m) (Depending on Source Component) Range: Code Library: Extensive Infrared Code Library for Audio Video Products Any Button (Up to 32 Commands from any Other Button) Macros:

2 x AA batteries (Supplied) Batteries:

Size (H x W x D): 1.4" (35 mm) x 2.6" (66 mm) x 8.4" (214 mm)

#### Additional Information

- · Keep the remote dry. If it gets wet, wipe it dry immediately.
- Use and store the unit only in normal temperature environments.
  - · Handle the remote gently and carefully. Don't drop it.
- Wipe the remote with a damp cloth to keep it looking like new.

The A-BUS™ Universal Remote does not contain any user-serviceable parts. Opening the case, except for the battery cover, may cause permanent damage to your A-BUS™ Universal Remote. Modifying or tampering with the internal parts can cause damage and invalidate the warranty. If your remote is not performing as it should, please contact your place of purchase. SPECIFICATIONS

Power: (2) AA Size: (H x W x D) 8.43 x 2.64 x 1.38 in

(214 x 66 x 35 mm)

Weight: (w/o batteries) 5.6 oz (158.76 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without any notice. FCC NOTICE

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment

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